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DERWENT-WEEK: 200532

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TITLE: Supercritical CO2 extraction process of
effective
medicine component in Rhizoma Ligustici
chuanxiong

INVENTOR: FENG, X; LI, J ; XIAO, X

PATENT-ASSIGNEE: SOUTHWEST CHINA DESIGN INST CHEM ENG MIN[SWCHN]

PRIORITY-DATA: 1999CN-0117380 (November 26, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE |
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| PAGES MAIN-IPC | | |
| CN 1098099 C | January 8, 2003 | N/A |
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| CN 1256143 A | June 14, 2000 | N/A |
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APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO |
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| CN 1098099C | N/A | 1999CN-0117380 |
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ABSTRACTED-PUB-NO: CN 1256143A

BASIC-ABSTRACT:

Process: Rhizoma Ligustici Chuanxiong root and stem is extracted and separated through counter-current circular supercritical CO2 extraction process. The main technological processes include cutting Rhizoma Ligustici Chuanxiong root and stem into 0.3-1.0 mm size grains; extraction in extractor at 32-70 deg.c temperature and 15-42 MPa pressure with the mass ratio between

extracted
material and CO2 consumption per hour being 1 to 4-20, the mass ratio
between
extracting additive and CO2 consumption per hour being 1 to 0.05-0.10
and
extraction period being 2-16 hr; and depression separation of CO2
rich
inextracted matters in one or several separators to obtain
destination matter
containing different effective components in Rhizoma Ligustici
Chuanxiong. The
method can obtain volatile Rhizoma LigusticiChuanxiong oil and low-
volatility
Rhizoma Ligustici Chuanxiong components in one identical operation
period.

CHOSEN-DRAWING: Dwg.0

TITLE-TERMS: SUPERCRITICAL EXTRACT PROCESS EFFECT MEDICINE COMPONENT
RHIZOMA

DERWENT-CLASS: B04

CPI-CODES: B04-A10; B11-B;

SECONDARY-ACC-NO:

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